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January 26, 2017

Ms. Lori Simmons Arkansas Department of Health 4815 West Markham Street Little Rock, Arkansas 72205 Via email Lori.Simmons@arkansas.gov

Re: Georgia-Pacific, Crossett Mill - Biweekly Air Monitoring Report for Hydrogen Sulfide

Dear Ms. Simmons,

Following is the biweekly data summary for the Georgia-Pacific (GP) hydrogen sulfide (H₂S) and meteorological monitoring program, at the GP Crossett mill, covering the calendar period of December 28th, 2016 through January 10th, 2017.

Summary of Results

Included in this report are three plots presenting H₂S concentrations calculated with varied rolling average periods (30-minute, 8-hour, and 24-hour).

Also included in this report is a summary of results from the daily 1-point QC checks performed during this biweekly period. The QAPP establishes goals for precision and bias as a coefficient of variation (CV) <10% and \pm 10%, respectively. Precision and bias are calculated in accordance with 40 CFR Part 58 Appendix A, Section 4.1.

There was a single occurrence of data loss during this monitoring period, in addition to those resulting from automated daily 1-point QC and weekly calibration checks. There was an instrument failure on January 7th that caused a lapse in data logging for approximately 10.5 hours. The instrument was reset that evening, however, the automated calibration check scheduled for the 7th was not performed. Results for available automated daily 1-point QC checks fall within the acceptable range, indicating the H₂S monitor was operating in accordance with the QAPP.

Fourteen-day time series plots for all recorded meteorological (met) parameters are presented in the final table. There was a single occurrence of met data loss during this monitoring period. On the morning of January 3rd there was a power outage at the meteorological monitoring station, resulting in approximately eight hours of data loss. Power was restored that afternoon.



Please feel free to contact me if you have any questions or need any additional data.

Sincerely,

Jonathan Bowser

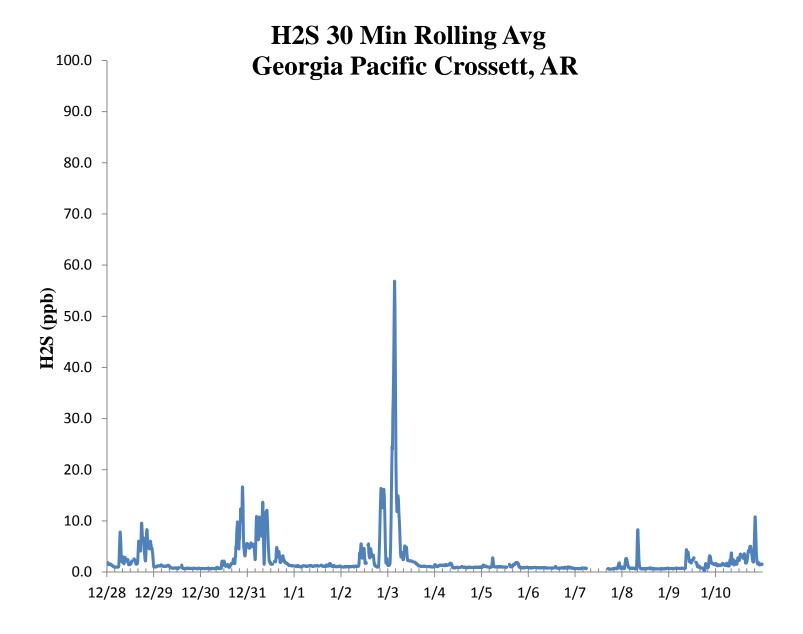
Manager, Air Quality and Meteorological Monitoring

Air Measurements – Gainesville Office 6312 NW 18th Drive, Suite 100 Gainesville, Florida 32653 (352) 260-1162

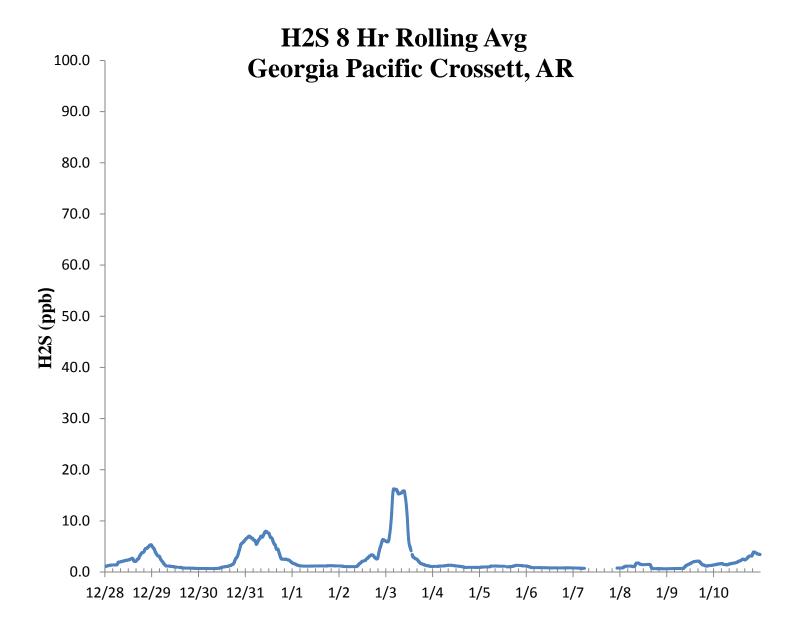
Email: jbowser@trcsolutions.com

CC: Becky Keough, ADEQ Director via email: keogh@adeq.state.ar.us Kara Allen, Environmental Engineer, USEPA Region 6 via email Allen.Kara@epa.gov

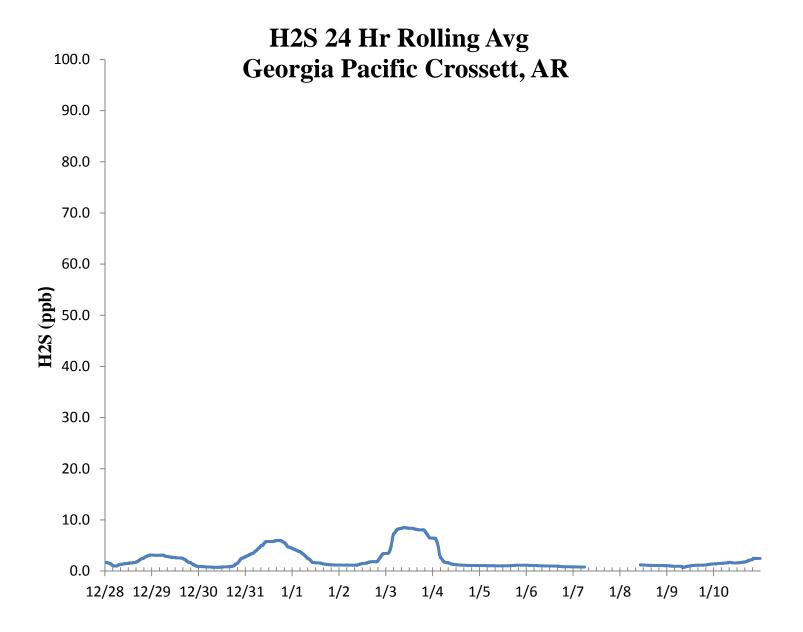














					H_2S	Asses	ssment	t					
GP - Crossett, AR			Compound of Interest: H ₂ S					CV _{ub} (%)		Bias (%)			
Date	Meas Val (Y)			25th Percentile	d²	d	d ²						
12/28/2016 13:00	70.2	70.0	0.3	-1.286	0.082	0.286	0.082						
12/29/2016 13:00	69.0	70.0	-1.4	75th Percentile	2.041	1.429	2.041	n	S _d	S _{d2}	∑ d	"AB" (Eqn 4)	
12/30/2016 13:00	69.9	70.0	-0.1	0.286	0.020	0.143	0.020	13	0.876	1.081	8.857	0.68	
12/31/2016 13:00	70.2	70.0	0.3		0.082	0.286	0.082	n-1	∑d	$\sum d^2$	$\sum \mathbf{d} ^2$	"AS" (Eqn 5)	
1/1/2017 13:00	70.2	70.0	0.3		0.082	0.286	0.082	12	-4.286	10.612	10.612	0.61	
1/2/2017 13:00	70.1	70.0	0.1		0.020	0.143	0.020						
1/3/2017 13:00	70.7	70.0	1.0		1.000	1.000	1.000				Bias (%) (Eqn 3)	Both Signs Positive	
1/4/2017 13:00	68.9	70.0	-1.6		2.469	1.571	2.469				0.99	FALSE	
1/5/2017 13:00	69.7	70.0	-0.4		0.184	0.429	0.184		CV (%) (Eqn 2)		Signed Bias (%)	Both Signs Negativ	
1/6/2017 13:00	70.1	70.0	0.1		0.020	0.143	0.020		1.21		+/-0.99	FALSE	
1/8/2017 13:00	68.8	70.0	-1.7		2.939	1.714	2.939						
1/9/2017 13:00	69.1	70.0	-1.3		1.653	1.286	1.653		Upper Probabil	ity Limit	Lower Probabilit	y Limit	
1/10/2017 13:00	70.1	70.0	0.1		0.020	0.143	0.020		1.39		-2.05		
								Percent Differences					
							15.0						
							10.0						
							5.0						
							0.0	•		, • , •			
							-5.0						
							-10.0						
							-15.0 ¹						



Meteorological Summary 20.0 WS(m/s) 0.0 UVWD(deg) 40.0 Temp(C) -60.0 S Theta(deg) 5.0 **Delta Temp(C)** -5.0



